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NOTICE OF ALLOWANCE AND FEE(S) DUE

30593

75

03/04/2008

HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 8910 RESTON, VA 20195 EXAMINER

BOYER, RANDY

ART UNIT PAPER NUMBER

1797

DATE MAILED: 03/04/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/623,373	08/30/2000	Bjorn Heed		2764

TITLE OF INVENTION: POLLUTION CONTROL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	06/04/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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appropriate. All further ndicated unless correcte naintenance fee notifica	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification of specifying a new cor	of ma rresp	aintenance fees will ondence address; an	be mailed to the current d/or (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPOND	F	ee(s)) Transmittal. This co s. Each additional pa	ertificate cannot be used fo	domestic mailings of the or any other accompanying to r formal drawing, must		
30593		/2008			Certific	rate of Mailing or Transr	nission
HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 8910 RESTON, VA 20195			I S a tr	here States ddre ransr	by certify that this F Postal Service with ssed to the Mail St mitted to the USPTO	ee(s) Transmittal is being sufficient postage for first op ISSUE FEE address (571) 273-2885, on the da	deposited with the United t class mail in an envelope above, or being facsimile tte indicated below.
			Γ				(Depositor's name)
							(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	OR	A	TORNEY DOCKET NO.	CONFIRMATION NO.
09/623,373	08/30/2000		Bjorn Heed				2764
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nonprovisional	NO	\$1440	\$0		\$0	\$1440	06/04/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
BOYER,	RANDY	1797	422-173000	_			
Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up or agents OR, altern (2) the name of a sin registered attorney of	single firm (having as a member a y or agent) and the names of up to t attorneys or agents. If no name is			
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON The ified below, no assignee oletion of this form is NO to the categories (will not be presented).	data will appear on the T a substitute for filing: (B) RESIDENCE: (CI	e pat an as	ent. If an assignee issignment. and STATE OR COU	INTRY)	ocument has been filed for
a. The following fee(s)			•			oreviously paid issue fee s	
☐ Issue Fee			A check is enclosed	d.			
	No small entity discount p		☐ Payment by credit card. Form PTO-2038 is attached.☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any				
			overpayment, to De	eposi	t Account Number _	(enclose ar	extra copy of this form).
_ ` .	tus (from status indicated s SMALL ENTITY state		☐ b. Applicant is no l	longe	er claiming SMALL l	ENTITY status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee an	d Publication Fee (if req		d from anyone other tha				e assignee or other party in
Authorized Signature					Date		
Typed or printed name							
n application. Confidentub submitting the completed his form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	1.14. This collection is depending upon the in e Chief Information Off	estir divid ficer	nated to take 12 min dual case. Any comn U.S. Patent and Tra	utes to complete, including nents on the amount of tin demark Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and the you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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P.O. BOX 8910			ART UNIT	PAPER NUMBER	
RESTON, VA 201	95		1797		
			DATE MAILED: 03/04/2008		

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)				
	09/623,373	HEED, BJORN				
Notice of Allowability	Examiner	Art Unit				
	RANDY BOYER	1797				
	NANDI BOTEK	1797				
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not included n will be mailed in due course. THIS				
1. \boxtimes This communication is responsive to <u>Applicant's response</u>	<u>filed 28 January 2008</u> .					
2. The allowed claim(s) is/are <u>1-4,6,7 and 9-17</u> .						
3. Acknowledgment is made of a claim for foreign priority ur	nder 35 U.S.C. § 119(a)-(d) or (f).					
a) ☑ All b) ☐ Some* c) ☐ None of the:						
 Certified copies of the priority documents have 	e been received.					
Certified copies of the priority documents have	been received in Application No	·				
Copies of the certified copies of the priority do	cuments have been received in this	national stage application from the				
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give						
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached						
1) ☐ hereto or 2) ☐ to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t						
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s)	5 Disting of Information	Detect Ameliaction				
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) 	 5. ☐ Notice of Informal I 6. ☐ Interview Summary 	, ,				
2. Motice of Dialiperson's Faterit Diawing Review (FTO-346)	Paper No./Mail Da	ite				
3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>6 February 2008</u>	7. 🛛 Examiner's Amend	ment/Comment				
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Statem	ent of Reasons for Allowance				
· - · · · · - · · · · · · · · · · · · · · · · · · ·	9.					

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DETAILED ACTION

Response to Amendment

- 1. Examiner acknowledges Applicant's response filed 28 January 2008 containing amendments to the claims and remarks.
- 2. Claims 1-4, 6, 7, and 9-17 are pending.
- 3. The previous rejections of 1-4, 6, 7, and 9-17 under 35 U.S.C. 102(b) are withdrawn in view of Applicant's amendment to the claims. Consequently, claims 1-4, 6, 7, and 9-17 are allowed.
- 4. Examiner notes minor defects in the language of claim 1 that Applicant may wish to further clarify/correct before issuance. Examiner has not issued an objection with regard to these minor defects, but only points them out for courtesy of Applicant. Specifically, claim 1 as presently amended reads, in relevant part, "Equipment for purification of gases comprising supply adapted to heat the gases in a regenerative process to oxidation or self-decomposition temperature comprising: . . ." (emphasis added) (see claim 1, lines 1-5) and "wherein said first portion is a catalytically active

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zone having a temperature below the oxidation of self-decomposition temperature"

(emphasis added) (see claim 1, lines 15-17).

Allowable Subject Matter

5. Claims 1-4, 6, 7, and 9-17 are allowed.

6. The following is Examiner's statement of reasons for allowance:

Applicant's specification at page 1, lines 11-29; and page 3, lines 9-14) (see Applicant's comments in the response filed 28 January 2008). In this regard, Gribbon does not

The "matrix" of Applicant's invention is construed to be a solid matrix (see

disclose wherein "the second portion [of the (solid) heat exchanging matrix] is located

between the combustion chamber and [a] first [catalytically active] portion [of the (solid)

heat exchanging matrix] to form an intermediate zone." Thus, Examiner finds

Applicant's device patentably distinguishable from that disclosed by Gribbon.

Any comments considered necessary by Applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

EXAMINER'S AMENDMENT

7. An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

8. In the specification:

At page 7, before "Background of the Invention," please insert:

This application is a national stage entry of application PCT/SE99/00343 filed Mar. 8, 1999.

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Randy Boyer whose telephone number is (571) 272-7113. The examiner can normally be reached Monday through Friday from 10:00 A.M. to 7:00 P.M. (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn A. Caldarola, can be reached at (571) 272-1444. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RPB

/Glenn A Caldarola/

Acting SPE of Art Unit 1797